

METHOD FOR CONCENTRATING BETA-GLUCAN FILM

Abstract of the Disclosure

An entirely aqueous method for concentrating beta-glucan from a beta-glucan source, such as milled cereal bran, grain or distiller's dried grain. The method comprises providing an alkaline aqueous extract of a beta-glucan source; acidifying or neutralizing the extract and heating the extract to between about 60°C and 100°C; cooling the extract, whereby a flocculate is formed; acidifying the cooled extract if the extract was neutralized; and removing the flocculate from the aqueous solution to form an intermediate solution. The intermediate solution may be subjected to ultrafiltration for further purification of beta-glucan, or may be evaporated, resulting in formation of a solid film enriched in beta-glucan. Beta-glucan has cholesterol-lowering properties and is a topical immunostimulant.

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